

CLAIMS

1. A quick connect blade iron system for a ceiling fan having an electric motor, the blade iron system comprising:

a blade iron having a blade mounting portion, and a motor mounting portion opposite said blade mounting portion, said motor mounting portion having a vertical portion extending to a horizontal portion, a pair of channels having an enlarged portion extending through said vertical portion and a narrow portion extending into said horizontal portion, and a releasable stop;

a pair of posts coupled to the motor, each said post having a stem portion and a head portion; and

spring biasing means for biasably coupling the blade iron to said pair of posts,

whereby the blade iron is moved in one direction to allow the posts to be slid through the channels while the spring means provides a tight fit between the posts and the mounting portion, and whereby the stops prevent the movement of the mounting portion in an opposite direction.

2. The quick connect blade iron system of claim 1 wherein the spring biasing means is a S-shaped spring having a first leg, a second leg and a third leg.

3. The quick connect blade iron system of claim 2 wherein said blade mounting portion is positioned between said first leg and said second leg.

4. The quick connect blade iron system of claim 3 wherein said first leg includes said stop.

5. The quick connect blade iron system of claim 1 wherein said horizontal portion has a pair of grooves, wherein each said groove is aligned with one said channel.

6. A quick connect blade iron adapted to be coupled to a fan having an electric motor, the blade iron comprising:

at least one post having a head and a stem extending from said head, and

a motor mounting flange and a blade mounting portion, said motor mounting flange having a peripheral wall and an abutment wall extending from said peripheral wall, a channel having a peripheral portion extending through said peripheral wall with a width larger than said head and an inboard portion extending through said abutment wall having a width smaller than said head,

whereby the blade iron may be moved in one direction to allow the passage of the post head through the flange channel peripheral portion and into a position wherein said stem is positioned within said inbound portion.

7. The quick connect blade iron of claim 6 further comprising a spring.

8. The quick connect blade iron of claim 7 further comprising a stop.

9. The quick connect blade iron of claim 6 further comprising a stop.

10. The quick connect blade iron of claim 7 wherein the spring biasing means is a S-shaped spring having a first leg, a second leg and a third leg.

11. The quick connect blade iron of claim 10 wherein the spring biasing means is a S-shaped spring having a first leg, a second leg and a third leg.

12. The quick connect blade iron of claim 11 wherein said first leg includes said stop.

13. The quick connect blade iron of claim 6 wherein said horizontal portion has a pair of grooves, wherein each said groove is aligned with on said channel.